

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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[illegible][illegible]

Turing Test

[illegible][illegible]

Nature

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[illegible]

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[illegible][illegible]

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1) AlphaGo Zero superhuman

2) natural language process (NLP) 自然语言处理
Chinese room argument 中文屋论证

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[illegible][illegible]

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200 10% 1% 2

[illegible]

BRAIN Initiative









□ □



Superhuman Quantum Supremacy

[illegible]

AlphaGo Zero の Nature での superhuman 性能 [1] AlphaGo の game AlphaGo Zero の

Shor's algorithm
Quantum Supremacy

Quantum Supremacy  Sycamore  NISQ  noise 
 noise 
 noise 

Quantum Supremacy  noise 

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy □□□□ optimization □ machine learning □□□□□□□□□□□□□□□□
 □□□□□□□ NISQ □□ noisy □□□ Sycamore □□□□□□□□□□□□□□□□□□□□□□□□□□□□

Quantum Supremacy

“ ” “ ”

[illegible]

Académie française

Superhuman Quantum Supremacy phrase

smart phone

niche market IT

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[1] Mastering the game of Go without human knowledge, published in Nature, on 18 October 2017: <https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, published in Nature, on 23 October, 2019:

<https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.